BLAZE

PowerZone
— Connect Series —

1002 · 1502 · 2004 · 3004

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PRODUCT DESCRIPTION

The PowerZone Connect 1002, 1502, 2004 & 3004 are solid, DSP amplifiers that deliver flexible, reliable power output with total system power offerings of 1000W, 1500W, 2000W and 3000W in a full rack, 2U format.

The system set-up can be performed wired or wirelessly and allows access to the PowerZone Control web app for easy system and audio configuration; manage sound zones, inputs/outputs, firmware updates, import of speaker presets and access to professional EQ settings. Configuration takes only a few minutes and can even be set up from your phone's browser.

With PowerZone Control, applying speaker presets takes just seconds, and the impact on the installed sound is amazing.

Blaze also provide custom drivers for several popular specialist control and automation systems. As a result, PowerZone Connect amplifiers can be specified in projects that use these advanced controllers.

The collection of speaker presets and custom drivers are freely available for download via **blaze-audio.com**.

MORE POWER
STILL CONNECTED

BLAZE

The extended PowerZone Connect series with four new power options — 1000W, 1500W, 2000W and 3000W

KEY FEATURES

- A series of smart **full matrix DSP** amplifiers with complete configuration via the intuitive web app – you can simply set up everything from your phone.
- Connect to the system with **PowerZone Control** – configure the complete system - input sources & output channels, set up sound Zones, EQ, routing, import of speaker presets and much more.
- Optimal hybrid power performance of **both Lo-Z** (2Ω to 16Ω) **and Hi-Z** (constant voltage) meaning

one flexible PowerZone Connect amplifier can be used in many different, configurations and set–ups.
- The PowerZone Connect series delivers class-leading energy efficiency reducing lifetime cost of ownership.
- **Link multiple amps** – via S/PDIF (Master /Slave)
- Pascal's UMAC Class D amplifier technology is inside, with market proven, **ultra-reliable** L-PRO amplifier modules.

POWERZONE CONTROL

With Blaze 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 is a web-based controller 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 a speaker preset 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 configuration even faster for system integrators.

The main dashboard shows a simple overview of your system – and from here it's effortless to set-up and manage zones, pair inputs and outputs, and add external volume controllers. We have GPIO connectors for standard controllers and approved drivers for networking together with smart controllers.

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SOLUTIONS

Shopping Malls

Background music in large format retail spaces is a must-have. Music is part of the everyday shopping experience – especially at seasonal events. Powerful, reliable, flexible DSP amplifiers are used to create sound spaces in medium and large format shopping halls and malls. PowerZone Connect series 1002–3004 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 and Colleges, large government and public buildings - all need to cover large areas for updates and announcements. PowerZone Connect series 1002–3004 delivers both power and exceptional speech quality.

Auditoriums

Education and corporate spaces both need power to fill any space along with low maintenance, and long-term reliability of hardware. A reliable system should have a low overall cost of ownership. PowerZone Connect delivers the sound quality, simple system configuration, and uses industry leading amplifier modules to secure 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 most of all large conference areas that need multiple SPL. PowerZone Connect drive all types of power to all types of speakers that covers all the locations and spaces.
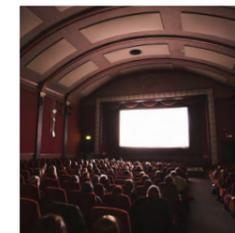
Theaters

Theaters and performing arts need absolute performance of sound, and that sound is often designed for the very different type of venues. Reliability of the power amplification and trust in the system is demanded. PowerZone Connect meets that demanding environment with total reliability, channel flexibility, and a fully programmable DSP that makes even the most specific sound requirements simple to set.

Foreground Music

Live music can be delivered in many different locations – from pubs and bars, small and personal live venues, and bigger performance spaces and stages. They all demand superior sound to fill these big spaces! The PowerZone Connect 2004 and 3004 versions provide the necessary output and sound quality to deliver the desired live experience.


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, having channels in both Lo-Z and Hi-Z, it may be utilized in any environment, of any size.

FRONT AND BACK PANEL

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

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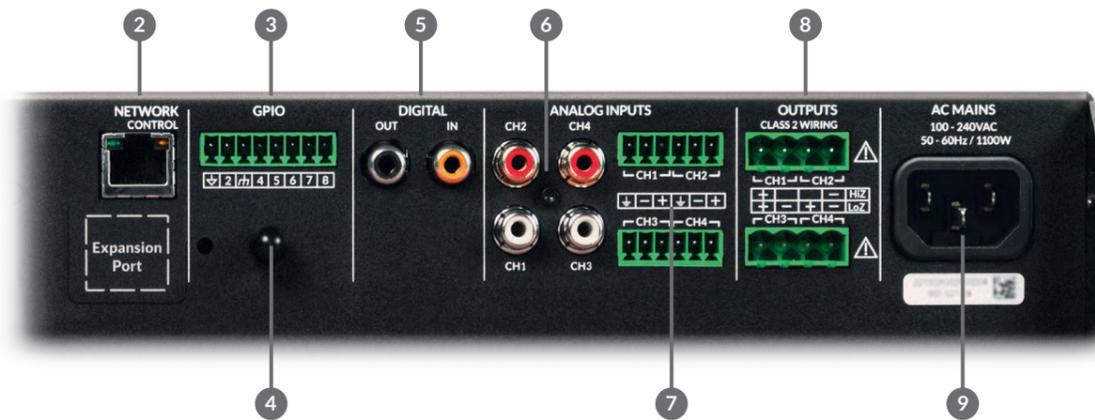

TECHNICAL SPECIFICATIONS

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
Power Consumption	350 W	350 W	700 W	700 W
Output Voltage	65 Vp / 130 Vpp (SE unloaded) 130 Vp / 260 Vpp (BTL unloaded)	80 Vp / 160 Vpp (SE unloaded) 160 Vp / 320 Vpp (BTL unloaded)	65 Vp / 130 Vpp (SE unloaded) 130 Vp / 260 Vpp (BTL unloaded)	80 Vp / 160 Vpp (SE unloaded) 160 Vp / 320 Vpp (BTL unloaded)
Weight	5.9 kg	5.9 kg	7.4 kg	7.4 kg
Dimensions	88 x 440 x 332 mm (3.5 x 17.3 x 13.1 in)			
Output Circuitry	UMAC™ Class D - full bandwidth PWM modulator with ultra-low distortion			
Signal To Noise-Ratio	>108 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/-0.5 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	<0.5 W			
Accessories	2x rack ears, 4 x adhesive feet			
Power Ratings	1 % THD @ 120 Vac and 230 Vac			

*SE – conventional, single ended output mode
**BTL – bridge-tied load output mode

DIMENSIONS

PowerZone Connect 1002, 1502, 2004 & 3004

440 mm
3.5 in

332 mm
13.1 in

88 mm
3.5 in
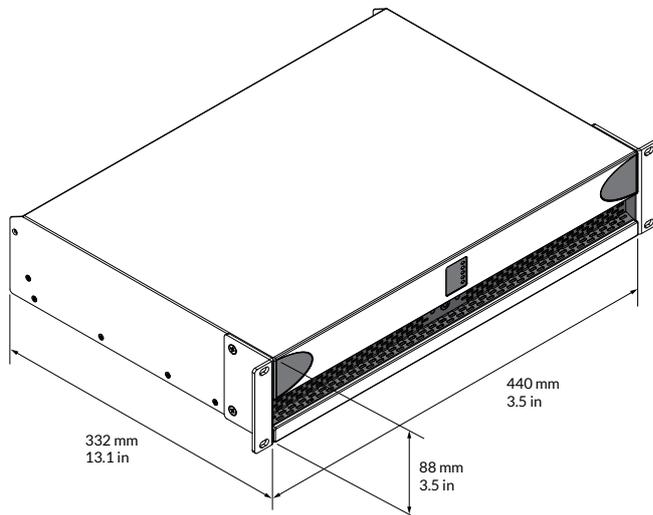
BACK PANELS – LINE DRAWING (2 CH/ 4 CH)
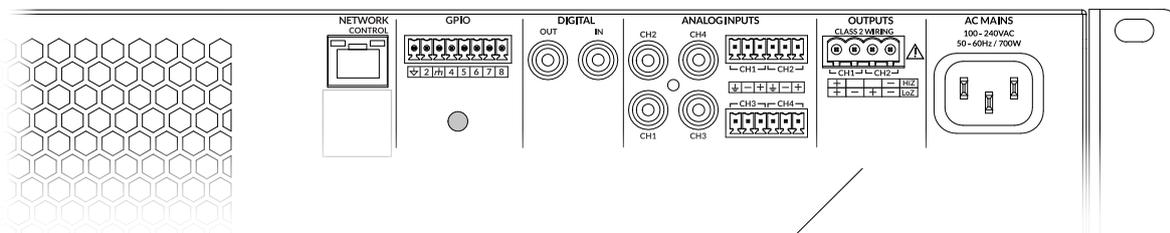
PowerZone Connect 1002 & 1502

PowerZone Connect 2004 & 3004