

# BLUESOUND

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## PROFESSIONAL



Powered by the established BluOS multi-zone audio content management interface, Bluesound Professional is designed to have decentralized processing power so designers and integrators have maximum flexibility to add streaming to existing installations or to build anew. Audio streaming capabilities can be added to a system head using a Bluesound Professional streamer, regardless of which amplifiers are being used. Alternatively, Ethernet cables can be run to a Bluesound Professional speaker, which contains all the necessary processing power to stream audio content without changing the configuration of the system head.



Bluesound Professional offers a versatile way to incorporate streaming music into a commercial installation. A fusion of hardware and software, Bluesound Professional's suite of streamers, amplifiers, speakers, controllers, and accessories bring easy-to-install, expandable, and conflict-free networked audio to retail shops, restaurants, bars, gyms, and other hospitality use cases.

### Easily Create Branded Environments

With hardware that supports nearly unlimited zones of audio and a natively-integrated commercially-licensed music streaming service in SoundMachine, Bluesound Professional makes easy work of creating branded environments for your clients.

### Add Audio Streaming to Existing or New Installations

Bluesound Professional's decentralized processing capabilities gives designers and installers maximum flexibility to add audio streaming to installations, whether existing or new.

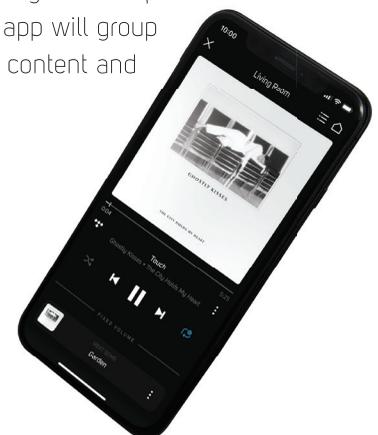
### Plays Nicely with Others

Standard rack sizes and a wide range of standard inputs and outputs means that installation is quick and simple. The ecosystem's modular design allows it to work seamlessly as an audio system on its own, or with audio components from other brands.



### Easy to Configure

Self-discovery makes set-up and configuration painless, as Bluesound Professional players placed onto the same network will find each other automatically. A few taps on the intuitive icons in the BluOS Controller app will group players to create zoned audio content and lock-out unauthorized users.



## What does Bluesound Professional do?

Bluesound Professional is a fusion of hardware and software that is purpose-built for high performance networked audio for retail shops, bars, restaurants, hotels, gyms, and other commercial applications. End users can connect and control nearly any audio source, including streaming services, internet radio, or networked hard drives, while installers can confidently specify rack-mounted hardware that integrates seamlessly with smart controllers.

Powered by BluOS, an award-winning multi-zone audio management software platform, running natively in a comprehensive range of streamers, amplifiers, and speakers, Bluesound Professional makes commercial audio installation projects easy to configure, deliver, and use.

Bluesound Professional provides peace of mind that your audio is expertly handled by quality hardware and intuitive, stable software.

## How is Bluesound Professional different from its competitors?

Bluesound Professional is the first decentralized multi-zone streaming solution for commercial use. Bluesound Professional minimizes space requirements in the control room and offers the most flexibility for configuring a system. The players are equipped with an intuitive app and controls and are natively integrated with commercial streaming services. A Bluesound Professional system is easy to set-up and stable to run long-term; it is purpose-built for commercial spaces.

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## Brand Architecture Overview



**B100S:** The B100S is a 1/3 rack space network music player designed specifically for use in commercial installations. This player is based on the established BluOS platform and is capable of playing and distributing content from local network storage as well as from many streaming services, including some specifically designed for commercial use, such as SoundMachine, Custom Channels, SiriusXM for Business, Qsic and Tunify.

**B400S:** The B400S is a 4-zone network music player designed specifically for use in commercial installations. This 1U player is based on the established BluOS platform and is capable of playing and distributing content from local storage as well as from a large number of streaming services, including some specifically designed for commercial use. These sources can be played to one or more of the four available stereo zones with the B400S effectively acting as four independent players with the capability of completely separate content and control, or grouping into user-definable groups of whatever size required with different zones within the BS400S and/or any other connected Bluesound Professional players on the network.

**A860:** The A860 is a high quality 8-channel power amplifier for use in commercial installations. This 2U amplifier provides 50W x 8 at 8 $\Omega$ , 60W x 8 at 4 $\Omega$  or 120W at 8 $\Omega$  per pair of channels in bridged mode. A standby mode can be triggered remotely or automatically for low power consumption when not in use. A global input can be assigned to multiple outputs and global and local output facilitate multiple amplifier installations. Thermostatically controlled fans ensure trouble-free operation in a wide range of conditions.

**B160S:** The B160S networked streaming stereo amplifier is a complete solution for a commercial music installation. The B160S combines a high-quality stereo amplifier with a BluOS enabled network music player. The B160S's HybridDigital™ amplifier section provides 2 x 60W of power into 8 $\Omega$  – plenty for most small/medium spaces and thermostatic fan cooling provides for quiet, reliable operation in commercial environments. The amplifier technology is highly energy efficient and also has a standby mode consuming only 6W of power.

**B170S:** The B170S networked streaming amplifier is a solution for 4/8 ohm impedance or constant voltage commercial installations. The B170S combines an amplifier with a BluOS enabled music player. The amplifier has a switchable output that allows for 4/8 ohm outputs or 70V or 100V constant voltage output. This amplifier is capable of handling small/medium or even larger spaces in the constant voltage mode and uses a thermostatic fan to provide cooling for quiet operation in commercial environments.

**HUB:** The HUB is a versatile network accessory that connects to both analog and digital audio sources, bringing them into the BluOS network as selectable source options for your players to widen your multi-zone streaming capabilities.

**CS1:** The CS1 network accessory enables Bluetooth and AirPlay 2 into the Bluesound Professional environment.



**CP100**



**BSP125**



**BSP200**



**BSP500**



**BSP1000**



**BSW150**

**CP100:** The CP100 is an elegant unobtrusive wall mount control panel constructed from glass and aluminum and mountable over any international back box. It is powered by Power of Ethernet (PoE) and features illuminated controls for easy access and panel lockout for security. Control of volume, muting, play/pause and preset selection is possible from this low profile, surface mount unit.

**BSP125:** The BSP125 is a network active loudspeaker with integrated streaming capability designed specifically for use in commercial installations. As well as stand-alone use, it is possible to use a pair of BSP125 speakers in stereo configuration. Use of the BSP125 in a larger BluOS system is also possible, allowing for grouping into user-definable groups of whatever size is required with other BSP125 units and/or any other connected Bluesound Professional players on the network in an installation.

**BSP200:** The BSP200 is a PoE+ powered network active loudspeaker with integrated streaming capability designed specifically for use in commercial installations. The player in the BSP200 is based on the established BluOS platform and is capable of playing and distributing content from local network storage as well as from a large number of streaming services, including some specifically designed for commercial use, such as SoundMachine, Custom Channels, SiriusXM for Business, Qsic and Tunify.

**BSP500:** The BSP500 is a network active loudspeaker with integrated streaming capability designed specifically for use in either indoor or outdoor commercial installations. This unit is powered by Power over Ethernet (PoE+ or ++), allowing a one-wire connection to the speaker for both power and audio. As well as stand-alone use, it is possible to use a pair of BSP500 speakers in stereo configuration and multiple BSP500's in a room in either mono or stereo configurations. Use of the BSP500 in a larger BluOS system is also possible, allowing for grouping into user-definable groups of whatever size is required with other BSP500 units and/or any other connected Bluesound Professional players, amplified players or network speakers on the network in an installation.

**BSP1000:** The BSP1000 is a network active loudspeaker with integrated streaming capability designed specifically for use in either indoor or outdoor commercial installations. This unit is powered by Power over Ethernet (PoE+ or ++) allowing a one-wire connection to the speaker for both power and audio. As well as stand-alone use, it is possible to use a pair of BSP1000 speakers in stereo configuration and multiple BSP1000's in a room in either mono or stereo configurations.

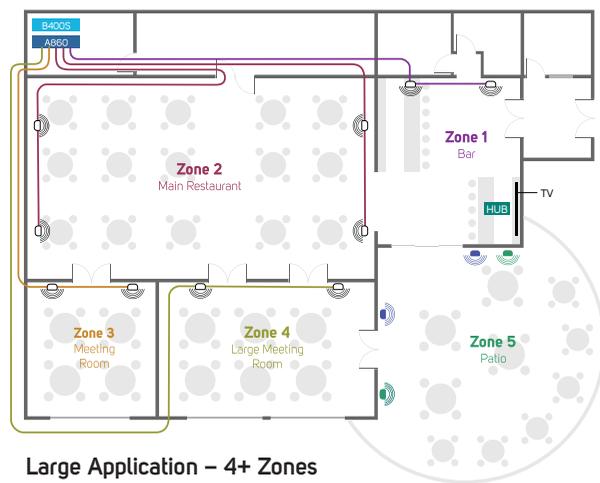
**BSW150:** The BSW150 is a network active subwoofer with streaming capability designed specifically for use in commercial installations. The BSW150 is so discrete you'll forget where you put it. Designed to fit neatly in boardrooms or small commercial establishments, this compact subwoofer digs deeper and plays louder than its bulkier rivals, and can be easily positioned featuring several clever installation options, the BSW150 will fit perfectly into your location of choice.

## Ultimate Versatility

Bluesound Professional offers the most versatile way to incorporate streaming music into a commercial installation. Unlike other solutions in the market, Bluesound Professional products can be easily grandfathered into existing installations or designed and installed anew. For example, using the Bluesound Professional system, streaming can be incorporated into a new or existing installation in one of two ways:

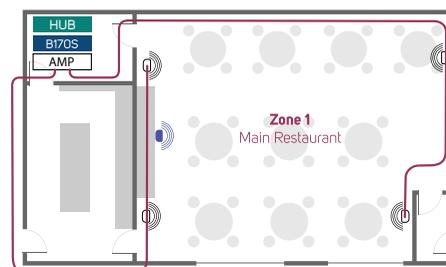
### At the system head

A Bluesound Professional streamer, like the B400S 4-Zone BluOS Network Streaming Player, can be added to the system head and connected to an existing distribution amplifier and speaker configuration. The streamer would be connected to the network and either via the BluOS Controller app or a Bluesound Professional hardware controller like the CP100, the system can then access a variety of source options including business music streaming services or analog/digital sources connected to a HUB.



#### Large Application – 4+ Zones

- **B400S** 4-Zone BluOS Network Music Streamer
- **A860** 8-Channel Power Amplifier
- **HUB** + TV
- **BSP1000** Indoor/Outdoor Speakers x 2
- **BSW150** Network Subwoofers
- Existing Indoor Speakers



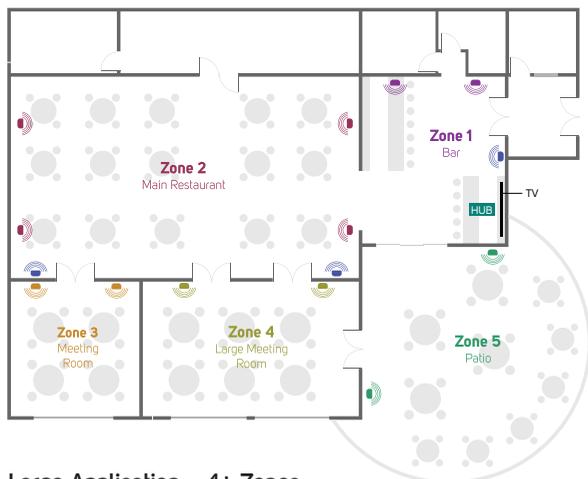
#### Small Application – 1 Zone

- **B170S** Network Streaming Amplifier - configured for 80 watts per channel (40W to each speaker)
- **CP100** Wall-mount Control Panel (optional)
- **HUB** + Music Player
- **BSW150** network subwoofers
- Existing Indoor Speakers

## At the end-point

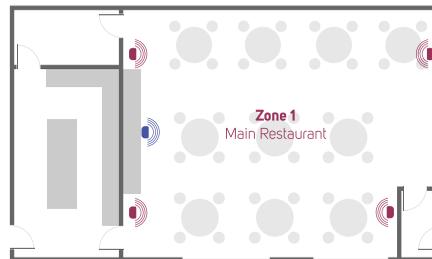
The decentralized way in which the Bluesound Professional products are designed means that without making changes to the system head, streaming music can be achieved with the addition of BluOS Enabled end points like the BSP125, a powered speaker that houses advanced processing capabilities. Simply run power and an ethernet connection to the speaker and through the BluOS Controller app or the CP100, the user can have full control of streamed audio content. Additional analogue and digital sources may also be provided by utilizing the HUB and CS-1.

This flexibility in system design gives commercial integrators the ability to optimize configurations for efficiency, regardless of use case.



### Large Application – 4+ Zones

- BSP125 Network Streaming Speaker x 4
- BSP1000 Indoor/Outdoor Speakers x 4
- BSP500 Indoor/Outdoor Speakers x 4
- BSW150 Network Subwoofers x 3
- HUB + TV



### Small Application – 1 Zone

- BSP125 Network Streaming Speaker x 4
- BSW150 Network Subwoofer

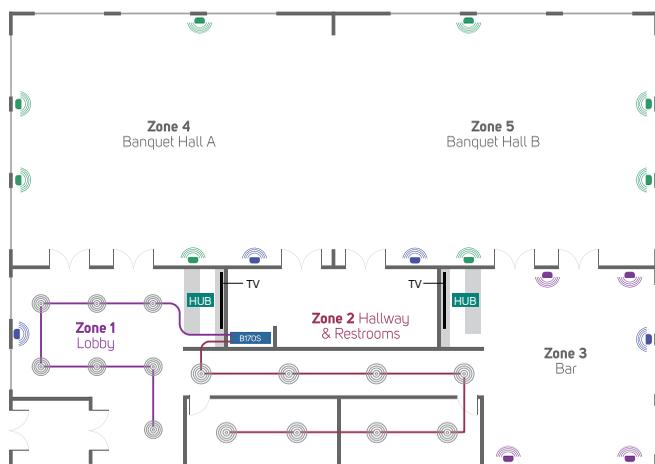


### Small Application – 1 Zone

- HUB + Music Player
- CS-1
- BSP200 Network Streaming Speaker x 2

## Large Multi-Zone

In very large Multi-Zone applications where many solutions are required, Bluesound Professional systems have the flexibility to be configured to solve the most complex applications. The B170S Network Streaming Amplifier can be used in Zones that require multiple speakers, and the BSP125 and BSP1000 Network Streaming Speakers can be used in areas where high fidelity is a must. Throughout the multiple zones the BSW150 Subwoofer can be used to support where greater bass is required. In addition the BluOS controller app or the CP100 can provide the user with full control of streamed audio content.



### Large Application – 5 Zones

- BSP125 Indoor Speakers x 4
- BSW150 Network Subwoofers x 3
- BSP1000 Indoor/Outdoor Speakers x 8
- B170S Network Streaming Amplifier - 70/100 V Mode
- HUB + TV
- Ceiling Speakers with 70/100 V transformer
- CP100 Wall-mount Control Panel (optional)